

Title (en)  
Determination of the lambda-value of a reformat

Title (de)  
Bestimmung des Lambdawertes von Reformat

Title (fr)  
Détermination de la valeur lambda d' un réformat

Publication  
**EP 1542304 A3 20071114 (DE)**

Application  
**EP 04029377 A 20041210**

Priority  
DE 10358933 A 20031212

Abstract (en)  
[origin: EP1542304A2] The method involves evaluating the voltage (U<sub>0</sub>) on at least one fuel cell element (14) in a fuel cell stack (12) to which the reformat (10) is supplied. The evaluated voltage on the at least one fuel cell element is the no-load voltage of the at least one fuel cell element. The Nernst equation is deduced from the lambda value (lambda<sub>ist</sub>). Independent claims are also included for the following: (A) a device for determining the lambda value of a reformat for feeding into a fuel cell stack (B) and a system with a reformer for converting at least fuel and air into reformat.

IPC 8 full level  
**H01M 8/04** (2006.01); **H01M 8/06** (2006.01)

CPC (source: EP US)  
**H01M 8/04089** (2013.01 - EP US); **H01M 8/0612** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

- [DY] WO 03094278 A1 20031113 - GEN MOTORS CORP [US], et al
- [Y] US 3886058 A 19750527 - BARNA GABRIEL G
- [A] EP 1037041 A2 20000920 - NGK SPARK PLUG CO [JP]

Cited by  
KR100986246B1; EA013477B1; WO2008000218A1; WO2007019837A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**EP 1542304 A2 20050615; EP 1542304 A3 20071114**; DE 10358933 A1 20050728; US 2005129994 A1 20050616; US 7666533 B2 20100223

DOCDB simple family (application)  
**EP 04029377 A 20041210**; DE 10358933 A 20031212; US 729604 A 20041209